

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/002584

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G08G1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G08G G01C H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 428 544 A (SHYU JIA-MING) 27 June 1995 (1995-06-27) figures 1,3 column 1, lines 58-66 column 2, lines 19-43 column 3, lines 30-59 column 4, line 18	1-11
X	US 4 706 086 A (PANIZZA ETTORE) 10 November 1987 (1987-11-10) figures 2-5 column 2, lines 12-18,60-65 column 3, lines 1-18 column 4, lines 22-52	1-11
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

18 October 2004

Date of mailing of the international search report

02/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Coffa, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/002584

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 236 337 B1 (IDLER HORST ET AL) 22 May 2001 (2001-05-22) figures 1,2 column 1, lines 30-55 column 2, lines 29-67 column 3, lines 24-26	1-11
X	DE 199 48 733 A (VOLKSWAGENWERK AG) 12 April 2001 (2001-04-12) figure 1 column 2, lines 10-27,45-65	1-11
X	US 6 369 720 B1 (WILHELM MICHAEL) 9 April 2002 (2002-04-09) figures 1,2 column 2, lines 25,26,57-65	1-11
X	US 6 397 141 B1 (BINNIG GERD) 28 May 2002 (2002-05-28) figure 1 column 2, lines 39-42 column 3, lines 30-65	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/002584

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5428544	A	27-06-1995	NONE	
US 4706086	A	10-11-1987	IT 1183820 B DE 3668088 D1 EP 0201461 A1 JP 1953986 C JP 6082439 B JP 61256500 A	22-10-1987 08-02-1990 17-12-1986 28-07-1995 19-10-1994 14-11-1986
US 6236337	B1	22-05-2001	DE 19707537 A1 AU 740232 B2 AU 5539098 A CA 2227651 A1 EP 0860954 A1	27-08-1998 01-11-2001 27-08-1998 25-08-1998 26-08-1998
DE 19948733	A	12-04-2001	DE 19948733 A1	12-04-2001
US 6369720	B1	09-04-2002	DE 19822914 A1 DE 59910319 D1 EP 0959442 A2 JP 2000030178 A	25-11-1999 30-09-2004 24-11-1999 28-01-2000
US 6397141	B1	28-05-2002	DE 19750942 A1 DE 59803467 D1 WO 9926212 A1 EP 1032928 A1 JP 2001523871 T US 2002082768 A1	20-05-1999 25-04-2002 27-05-1999 06-09-2000 27-11-2001 27-06-2002